

ABSTRACT OF THE DISCLOSURE

Disclosed are an air conditioner for cooling or heating
air in a room by compressing, condensing, expanding and
5 evaporating a refrigerant, and a method for controlling an
electronic expansion valve of the air conditioner. The air
conditioner includes a plurality of compressors, for
compressing a refrigerant, of which one or more are operated
so that refrigerant compression capacity is variably changed
10 according to the variation of a cooling/heating load; and an
electronic expansion valve adapted to control the refrigerant
compression capacity. The electronic expansion valve controls
the flow rate of the refrigerant after one or more of the
compressors are stopped, thereby rapidly achieving the
15 pressure equilibrium at inlet and outlet pipes of the stopped
compressor(s), shortening a time taken to allow the stopped
compressor(s) to be re-operated, and improving reliability in
operating the compressors.

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